

KASALICKY, V.

Notes on chimney constructions based on Swiss experiences. p. 326.

(Pozemni Stavby. Vol. 5, no. 6, June 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

KASALICKY, V.

The economic effectivenss of mechanization in the building trade must be increasing.

P. l. (MECHANISACE.) (Praha, Czechoslovakia) Vol. 5, No. 1, Jan. 1958

SO: Monthly Index of East European Accession (EIAI) LC. Vol. 7, No. 5, 1958

KASALICKY, V.

"What the district actives have contributed to our housing construction."

POZEMNI STAVBY, Praha, Czechoslovakia, Vol. 3, No. 10, October 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

KASALICKY, V.

TECHNOLOGY

periodicals: POZEMNI STAVBY Vol. 7, no. 2, Feb. 1959

KASALICKY, V. 21st Congress of the Communist Party of the Soviet Union, a great contribution to the building of socialism in our country. p. 57.

Monthly List of East European Accession (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

KASALICKY, Vaclav (Praha, CSRS)

Problem of industrializing apartment building in the Czechoslovak Socialist Republic. Przegl budowl i bud mieszk 33 no.9:523-526 s '61.

KASALICKY, Vaclav, inz., arch.

Important help from the Czechoslovak Scientific Technical Society in the technical development of the building industry.
Poz stavby 11 no. 48174-175 '63.

1. Vyzkumny ustav-vystavby a architektury; clen predsednictva
Ustredniho vyboru Ceskoslovenske vedeckotechnicka spolecnosti,
sekce stavebnictvi, Praha.

KASALICKY, Vaclav, inz., arch.

New trends in industrial building. Tech praca 15 no.10:
784-792 O '63.

1. Vyzkumny ustav vystavby a architektury; clen predsednictva
Ustredniho vyboru sekce stavebnictvi, Ceskoslovenska
vedecko-technicka spolecnost.

KASALICKY, Vaclav inz. arch.

Black Sea coast, a gem of Rumanian architecture. Poz stavby
12 no. 6:242-244 '64.

1. Research Institute of Building and Architecture, Prague.

KASALICKY, Vaclav, inz. arch.

Use of international experiences in improving the technical
standard of the building industry. Poz stavby 12 no. 9: 393-394
'64.

KASALICKY, Vaclav, inz. arch.

In steps of twenty years. Pozemni stavby 13 no.4:Suppl:insert
'65.

USSR / Pharmacology and Toxicology. Analgesics.

v-4

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 80540

Author : Shilov, P. K.; Kasalitsa, Ch. L.

Inst : Not given

Title : The Influence of Promedol on the Functional Condition of Central Nervous Activity and the Stomach in Patients with Ulcers and Chronic Gastritis

Orig Pub : Tr. Voen.-med. akad., 1957, 74, 273-277

Abstract : During extended use of promedol (I; 16-20 days at 1 ml of 1% solution, 3 times a day) in 81 patients, normalization of the secretory function of the stomach, its acidity and its motor function occurred in a majority of them. Also, a normalizing influence of I on the basic process of the CNS appeared to be expressed. I causes changes of higher NA of patients, simultaneously influencing subcortical formation of stimuli. The effect of I on the

Card 1/2

KASALITSA, Ch.L., kand.med.nauk

C-reactive protein in the differential diagnosis between myocardial infarct and stenocardia. Sov.med. 24 no.1:63-65 Ja '60.
(MIRA 13:5)

(MYOCARDIAL INFARCT blood)
(ANGINA PECTORIS blood)
(C-REACTIVE PROTEIN)

VALUYSKIY, N.M., podpolkovnik meditsinskoy sluzhby, kand.med.nauk; KASALITSA,
Ch.L., podpolkovnik meditsinskoy sluzhby, kand.med.nauk

Clinical diagnostic significance of dermal sensitivity to ultra-violet rays in chronic gastritis and peptic ulcer. Voen.-med.zhur.
no.4:81-82 Ap '60. (MIRA 14:1)

ULTRAVIOLET RAYS--PHYSIOLOGICAL EFFECT
(SKIN) (PEPTIC ULCER)

KASALITSA, Ch.L.

Significance of the determination of C-reactive proteins in patients
with acute myocardial infarct. Klin. med. 38 no. 2:38-41 F '60.
(MIRA 14:1)

(HEART-INFARCTION) (BLOOD PROTEINS)

KASALITSA, Ch.L., kand.med.nauk; ONIKIYENKO, B.A.

Blood protein fractions and C-reactive protein in acute myocardial infarction. Vrach. delo no.6:18-22 Je '61. (MIRA 15:1)

1. K-fedra terapii II dlya usovershenstvovaniya vrachey (nachal'nik - prof. V.A.Smagin) Vozerno-meditsinskoy ordena Lenina Akademii im. S.M.Kirova.
(BLOOD PROTEINS) (HEART INFARCTION)

KASALITSA, Ch.L.; DYMSHITS, I.Ya.

Diagnostic significance of the determination of C-reactive protein in vascular lesions of the nervous system. Zhur.nevr. i psikh. 62 no.8:1178-1180 Ag '62. (MIRA 15:12)

1. Kafedra terapii dlya usovershenstvovaniya vrachey (nachal'nik-prof. G.A.Smagin) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova i nevrologicheskoye otdeleniye bol'nitsy "V pamyat' 25 Oktyabrya", Leningrad.
(PROTEINS) (CEREBROVASCULAR DISEASE)

KASALITSA, Ch.L., kand. med. nauk

C-reactive protein in the blood serum of patients with blood circulation disorders. Ter. arkh. 35 no.4:106-108 Ap'63
(MIRA 17:1)

1. Iz kafedry terapii usovershenstvovaniya vrachey No.2
(nachal'nik - prof. G.A. Smagin) Voyenno-meditsinskoy ordena
Lenina akademii imeni S.M.Kirova.

Category : USSR/Solid State Physics - Mechanical Properties of Crystals and Crystalline Compounds E-9

Abs Jour : Ref Zhur - Fizika, No 3, 1957, No 6817

Author : Kesal'kin, B.S., Movchan, B.A.

Title : On the Structural Features of Brittle and Viscous Fractures of Steel.

Orig Pub : Izv, AN SSSR, Otd, tekhn. n., 1956, No 5, 151-153

Abstract : An X-ray structural analysis method with a narrow beam of rays was used to study brittle and viscous fractures in specimens made of NL2 and BSt3 steel with a substantial difference in the sensitivity and cold brittleness. The X-ray photographs shown in the article indicate that in the case of viscous failure the degree of reduction of the initial grains on the fracture surface exceeded the degree of reduction in brittle failure. In brittle failure the degree of reduction is smaller in BSt3 than in the less cold brittle NL2, in the case of viscous failure the degree of reduction is the same for both types of steel. The depth of propagation of the plastic deformations under conditions of brittle damage

Card : 1/2

DAUM, S.; CHYTIL, M.; KASALOVA, D.

Syndrome of acute anuria in post-abortal septicemia caused by
Cl. welchii successfully treated by extracorporeal hemodialysis
in artificial kidney. Cas. lek. cesk. 98 no.36:1136-1138 4 Sept 59

I. II. interni klinika KU v Praze, prednosta prof. dr. F. Herles.
Gyn. porod. klinika KUNZ v Plzni, prednosta prof. dr. Vl. Mikolas
(KIDNEY, ARTIFICIAL)
(ANURIA, ther.)
(ABORTION CRIMINAL, compl.)
(SEPTICEMIA, compl.)
(CLOSTRIDIUM PERFRINGENS, infect.)

EXCERPTA MEDICA Sec 10 Vol 13/4 Obstetrics Apr 60

646. IMMUNOLOGICAL FINDINGS IN TOXAEMIA OF PREGNANCY - Immuno-
logické nálezy při těhotenských toxikózách. I. Tkáňové protilátky v patolo-
gickém a normálním těhotenství - Kasalová D., Mecl A., Prokop
J., Malý V., Wagner V. and Zavázař V. Porodnická Klin.
Státní Fak. Nemocnice, ; Int. Klin. Státní Fak. Nemocnice, Plzeň; Úst. Org.
Anizace Zdravotnictví, Praha a Bakteriol.-Sérol. Odd. Nemocnice, Bulov-
ka - ČAS, LEK. ČES, 1959, 38/38 (1189-1192) Graphs 2 Tables 2

The occurrence of autoantibodies against placenta, liver, kidney and myocardium
was investigated in pregnant women suffering from pregnancy toxæmia and in a
group of healthy pregnant women. The autoantibodies were found in 47 out of 66
women with pregnancy toxæmia and in 13 out of 47 healthy pregnant women. It is
of interest that among 13 healthy pregnant women with autoantibodies there were
4 cases of postmaturity and 4 stillbirths. In evaluating individual antibodies the
authors found that least frequent are antibodies against the placenta. The diagno-
tic, pathogenic and prognostic aspects are discussed.

Šabata - Prague

KASALOVA, D.; MECL, A.; PROKOP, J.; MALY, V.; WAGNER, V.; ZAVAZAL, V.
Technicka spoluprace Sovakova, A.

Immunological findings in pregnancy toxemias. I. Tissue anti-bodies in pathological and normal pregnancies. Cas.lek.ceck. 98 no.38:1189-1192 18 S '59.

1. Porodnicka klinika Statni fakultni nemocnice v Plzni, prednosta prof.dr. Vl. Mikolas, Interni klinika Statni fakultni nemocnice v Plzni, prednosta prof.dr. K. Bobek, Ustav organizace zdravotnictvi v Praze, prednosta prof.dr. F. Prosek. Bakteriolog-serologicke odd. nemocnice na Bulovce, prednosta doc.dr. Vl. Wagner.
(PREGNANCY TOXEMIAS immunol.)

MATHESIUS, V.J.; KASALOVA, D.

Staphylococcal infections and their immunological causes in early childhood. Cesk. derm. 37 no.5:289-295 O '62.

l. Novorozenecke oddeleni Fakultni nemocnice v Plzni, prednosta dr
V. J. Mathesius.

(STAPHYLOCOCCAL INFECTIONS)

MATHESIUS, V.J.; KASALOVA, D.

Acid coating of the skin and its practical value in the prevention
of pyoderma in infants. Cesk. derm. 37 no.5:295-299 O '62.

1. Novorozenecke oddeleni Fakultni nemocnice v Plzni, prednosta dr.
V.J. Mathesius.
(PYODERMA) (ACIDS) (OINTMENTS)

KASALOVA, M.

2

CZECHOSLOVAKIA

BODOR, A., MD; KUBICEK, V., MD; KASALOVA, M., MD.

First Surgical Clinic of the Medicinal Faculty of Charles
University (I. chirurgicka klinika lekarske fakulty KU),
Pilsen (for all)

Prague, Prakticky lekar, No 1, 1963, pp 22-23

"Practical Experiences with a Plastic Bandage of Czechoslovakian Manufacture."

KASALOVSKY, K.

Experience with mechanization of livestock production. p. 55.
MECHANISACE ZEMEDELSTVI. Vol. 5, No. 3, Feb. 1955

SO: Monthly East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

KASALYNEN, N. N.

AID P - 1830

Subject : USSR/Engineering

Card 1/1 Pub. 110-a - 7/16

Author : Kasalynen, N. N., Eng.

Title : ~~Method of calculating~~ Heat transfer rate of the air-heater with air passing across the nest of seamless tubes

Periodical : Teploenergetika, 3, 27-28, Mr 1955

Abstract : The author presents the method of an experimental analysis of heat convection and draft made with an industrial air heater. He presents results obtained which conform with those obtained analytically. Two diagrams.

Institution: Central Scientific and Research Institute im. Academician A. N. Krylov

Submitted : No date

KASALAYHEN, N.N., inzhener.

Some problems of air conditioning in ship holds. Sudostreemie 22
no.2:8-9 F '56. (MIRA 9:?)
(Ships--Air conditioning)

KASALAYNEN, N.N., inzhener.

Testing air cooling systems in unspecified conditions. Sudostroenie
22 no. 98-10 S. '56.
(Refrigeration on ships)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8

KASALAYNEN, N.N., inzh.

Nomograms for calculating smooth-surface, air-cooling coils
for air-conditioning systems. Sudostroenie 24 no. I; 19-21 Ja '58.
(MIRA 11:2)

(Ships--Air conditioning)
(Air pipes--Cooling)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8"

KASALAYNEN, N.N., inzh.

Designing air-conditioning systems for ships. Sudostroenie 24
no. 617-20 Je '58. (MIRA 11:8)
(Ships--Air conditioning)

14(1)

SOV/66-59-2-10/31

AUTHOR: Kasalaynen, N., Engineer

TITLE: On the Choice of Heat Exchange Surface of Air Coolers for Air Conditioning Installations (Vybor poverkhnosti teploobmena vozdukhookhladiteley v ustanovkakh dlya konditsionirovaniya vozdukh)

PERIODICAL: Kholodil'naya tekhnika, 1959³⁶, Nr 2, pp 40-44 (USSR)

ABSTRACT: The following types of heat exchange surfaces are the most commonly used in connection with air coolers; round tubes with round or rectangular ribs, round tubes with spiral-shaped ribs, flat tubes with ribs (radiators) drop-shaped tubes with ribs, round tubes with wire ribs. General requirement for all surfaces is maximum compactness. Antuf'yev and Beletskiy have formulated these requirements as follows: height - 0.3 to 0.4 d, material of ribs - copper or aluminum, distance between ribs - 2-4 mm, thickness of ribs - 0.2 - 0.4 mm, arrangement of pipes in checkerboard fashion, as closely as possible. For the purpose of selecting a surface, a comparison of the various types of heat exchange surfaces has been made and arranged in the form of a Table 1, giving all pertinent technical data for each type. The

Card 1/2

SOV/66-59-2-10/31

On the Choice of Heat Exchange Surface of Air Coolers for Air Conditioning Installations

following test conditions were applied; equal quantities of heat, equal energy consumption, equal air quantities and equal temperature conditions. The smallest weight was obtained with type 4 (flat tube with ribs) and type 5 (drop-shaped tube with ribs); the smallest volume belonged to type 2 (round tube with ribs) and type 4 (flat tube with ribs).

There are: 1 graph, 2 tables.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut imeni akademika A.N. Krylova (Central Scientific Research Institute imeni Academician A.N. Krylov)

Card 2/2

K. SALAYNEV, M.N., Leningrad

Heat emission by finned heating units in steam-heating systems.
Vod.i san.tekh. no.4:10-12 Ap '60. (MIRA 13:6)
(Steam heating)

KASAN J. Vliv cinnosti obvodnich prordnich asistentek na zvyseni populace a snizeni novorozenecke umrtnosti The influence of the activity of midwives on the increase of the population and the decrease in mortality among the newborn Practicky Lekar, Prague 1947, 27/5 (110-111) Graphs 1 Tables 1

So: Medical Microbiology and Hygiene, Vol. I, Section IV, #1-6

KASANDR, J.

The locality of Besenova. p. 148. KRASY SLOVENSKY. Bratislava. Vol. 31,
no. 5, May 1954.

SOURCE: East European Accessions List. (EEAL) Library of Congress.
Vol. 5, No. 8, August 1956.

KASANDR, J.

Karst phenomena in the Tatra Mountains. p. 7. OCHRANA PŘIRODY.
(Ministerstvo kultury. Statní pece o ochranu přírody) Praha. Vol. 11,
no. 1, Feb. 1956.

SOURCE: East European Accessions List, Vol. 5, no. 8, September 1956

KASANICKY, O.

New techniques and new products of the Meopta Factory in
Bratislava. Jema mech opt 8 no.5:164-167 My '63.

KASANICKY, O.

The socialist work brigades are an important help in the performance
of the plan. Jemna mech opt 7 no.11:354 N '62.

1. Meopta Bratislava.

SAHOVIC, K.; NIKOLIC, V.; KASANIN, B.

Magnesium metabolism in rats bearing experimental primary tumors;
relation between magnesium level in liver, kidneys, brain, spleen
and in malignant tissue. IV. Glas srpske akad. nauka, odelj med.
211 no.7:165-171 1953.

1. Primljeno na V skupu odeljenja medic. nauka 5 III 1953 god.
(MAGNESIUM, metab.
in sarcoma-bearing rats, comparison with normal rats)
(NEOPLASMS, metab.
tumor tissue magnesium in sarcoma-bearing rats)
(SARCOMA, exper.
tumor tissue magnesium, comparison with other organs in
rats)

SAHOVIC, K; NIKOLIC, V.; KASANIN, B.

Studies on sulfur metabolism in rats with primary experimental tumors produced with hydrocarbons; relation of sulfur in tumor tissue and sulfur in the liver, kidney, brain and spleen. Glas. Srpske akad.mauka, odelj.med. 215 no.9:39-45 1955.

1. Institut d'oncologie de la Faculte de medicine de Beograd.

(SULFUR, metabolism,
in exper.cancer)

(NEOPLASMS, experimental,
sulfur, metab. in)

SAHOVIC, K; NIKOLIC, V; KASANIN, B.

Comparative studies on lipid metabolism in certain organs of
normal and sarcoma-bearing rats. Glas.Srpske akad.nauka, odelj.
med. 215 no.9:47-55 1955.

1. Institut d'omcologie de la Faculte de medecine de Beograd.
(LIPIDS, metabolism,
in exper.sarcoma)
(SARCOMA, experimental,
lipid metab.in)
(NEOPLASMS, experimental,
sarcoma, lipid metab.in)

SAHOVIC, K.; KASANIN, B.

Investigations on zinc metabolism in tumor tissue; comparative studies on zinc content in tumor and other tissues. Glas.Srpske akad.nauka, odelj.med. 215 no.9:147-152 1955.

1. Institut d'Oncologie de la Faculte de Medecine de Beograd.
(ZINC, metabolism,
in exper.cancer, relation of tumor tissue metab. to
other tissue)
(NEOPLASMS, experimental,
zinc metab. in, relation of tumor tissue metab. to other
tissue)

Kašanin, R. Les équations générales du mouvement d'un système de points matériels aux liaisons données. Acad. Serbe Sci. Publ. Inst. Math. 2, 116-130 (1948). (French. Serbian summary)

Service Scratches Inst. Mathe. 116-190 (1978) (French)

German summary:

An elementary but very general derivation of the equations of motion of any dynamical system (including non-holonomic systems). D'Alembert's principle and Gauss's principle of least constraint are discussed.

D. C. Lewis (Baltimore, Md.)

SMW 8/21

Source: Mathematical Reviews, Vol. 10 No. 7

Xasavli, Radivoje. L'introduction en arithmétique de l'angle, des fonctions trigonométriques et du nombre π . Glas Srpsk. Akad. Nauka 191, 149-161 (1948). (Serbian; French summary)

The author claims that the theory of functions borrows the number π and the trigonometric functions from geometry. He shows that the functional equations for sin and cos follow from the binomial expansion $(a \pm bi)^n = A(n) \pm iB(n)$.

W. Feller (Ithaca, N.Y.)

Source: Mathematical Reviews, 1950, Vol 11, No. 2

KASANIN, RADIVOJE

*Kašanin, Radivoje. Vise matematika. I. [Higher Mathematics. I.], 3d ed. Naučna Knjiga, Beograd, 1949. viii + 847 pp.

*Kašanin, Radivoje. Vise matematika. II. Enjija prva. [Higher Mathematics. II. Part 1]. Naučna Knjiga, Beograd, 1949. viii + 624 pp.

A textbook in advanced calculus starting from the beginning. The first volume includes vectors and analytic geometry, the second infinite series and applications to differential geometry. W. Feller (Princeton, N. J.).

Source: Mathematical Reviews. Vol 12, No. 3.

Kraljević, Radivoj. Viba matematika. II. Knjiga druga.
[Higher Mathematics. II. Part 2]. Naučna Knjiga,
Beograd, 1950. vii+679 pp.

This is the second volume of the second part of a textbook
on advanced calculus. The first part was published in 1949;
of these Rev. 12, 1951. It covers integration, multiple integ-

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CIA-RDP86-00513R000721010002-8"

KASHANIN, Radivoje.

"Approximating the Arbitrary Motion of a Material Point by Motion Along a Conic Section," by Radivoje Kashanin, Zb. radova. Srpska AN, Book 42, 1954, pp 13-51, 155-159 (from Referativnyy Zhurnal -- Mekhanika, No 12, Dec 56, Abstract No 8012)

"Studies the motion of a material point under the action of an arbitrary given force R in absolute axes. The equation of motion is represented in the form

$$\frac{d^2r}{dt^2} = -\frac{\mu}{r^3} r + F$$

where

$$F = \frac{\mu}{r^3} r + \frac{1}{m} R$$

is called the disturbing force.

"Since the motion represented by the equation when $F = 0$ is motion under the action of a force inversely proportional to the square of the distance to the origin of the coordinates, this 'undisturbed' motion occurs along the conic section in conformance with Kepler's law. True motion, determined by the equation, is regarded by the author as disturbed Kepler motion; to study this true motion, he examines the osculating elements the same way as is done in theoretical astronomy."

Sum 1258

KASANIN, R.

The earth layers and their characteristics. Glas prir mat SANU 245
no.21:73-84 '61.

(Earth) (Geophysics)

KASANIN, R., akad.

Earth's strata and their characteristics. Glas SANU 12
no.2:188 '60 [publ.'62].

1. Srpska akademija nauka i umetnosti, Beograd.

S/158/63/000/003/060/104
A042/A101

AUTHORS: Savic, P., Kasanin, R.

TITLE: Behavior of materials under high pressures

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 32, abstract 3E199
(Posebna izd. Srpska akad. nauka i umetn, Od. prirodno-matem.
nauka, 1962, v. 351, no. 29, 32 s., 11., English)

TEXT: On the basis of the discrete nature of atomic structures, an attempt is made to give a theoretical explanation of the observed interrupted shape of the curves of specific volume versus pressure in some substances. The jump-like increase of the density of substances at high pressures is explained by the transition of electrons onto new energetic levels. Equations, derived on the basis of such considerations, allow to calculate the potentials of excitation and ionization, the moduli of elasticity, Poisson's coefficient and some other physico-chemical properties of materials under high pressures. The calculated magnitudes are in good agreement with the experimental data.

[Abstracter's note: Complete translation]

Card 1/1

EXCERPTA MEDICA Sec 15 Vol. 10/8 Chest Diseases Aug 57

KASANOVICH, B.

1930. KASANOVIC B., GENČIĆ M. and PEŠIĆ R. "Carcinoma pulmonis per magnum (Russian text) MED. PREGL. 1956, 9/4 (248-252) Illus. 2 A tumour the size of a child's head - carcinoma planocellulare - was removed by right pneumectomy from the inferior lobe of the right lung of a woman aged 37. Based on this case and relevant references the anatomical and histological features, clinical picture, diagnostic methods and surgical treatment are presented. The authors accept the opinion about the causative role of tobacco.

Schwarz - Novi Sad (XV, 5, 16)

KASANTKINA, N.G.; PIASTRO, V.D.

Investigation of a low molecular weight product obtained in the polymerization of 1,3-butadiene in the presence of an organometallic compound. Vest LGU 15 no.16;140-144 '60. (MIRA 13:8)
(Butadiene) (Cyclododecatriene)

KASAPSKA, N., and others.

"They Discussed their Work Critically." p. 3,
(ZDRAVEN FRONT, No. 50, Dec. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

L 34224-66 EWP(e) WH

ACC NR: AP6026075

SOURCE CODE: CZ/0034/65/000/012/0906/0906

INVENTOR: Kasar, J. (Engineer); Langer, Z.

ORG: none

TITLE: Plastic refractory material suitable for protection of covers of electric induction furnaces. Class 18b, No PV 1826-65

SOURCE: Hutnickie listy, no. 12, 1965, 906

TOPIC TAGS: refractory product, plastic, electric inductance, metallurgic furnace

ABSTRACT: The article is an abstract of Authors' Patent Application No Class 18b, 5/32, PV 1826-65, dated 20 March 65. The material is prepared by mixing 92% of refractory material FHS with 6% of clay and 2% of sulfite, and has the following composition after firing: SiO_2 48.25%, Al_2O_3 37.52%, Fe_2O_3 1.82%, TiO_2 0.91%, CaO 1.23%, MgO 0.52%. The clay after firing has a composition of: SiO_2 50.87%, Al_2O_3 33.63%, Fe_2O_3 1.53%, TiO_2 0.89%, CaO 0.48%, MgO 0.26%. The mixture is mixed in a ball mill and wetted with water if necessary. It is rammed into position in the furnace cover and left to set. The refractory resists vibrations that occur during the melting of the charge. Orig. art. has 1 figure. [JPRS: 34,272]

SUB CODE: 11, 13, 09 / SUBM DATE: none

Card 1/1 22

SOV/44-58-4-2710

Translation from: Referativnyy zhurnal, Matematika, 1958,
Nr 4 (USSR)

AUTHOR: Kasara, I.Ya.

TITLE: A Study of Special Families of Unitary Matrices
(Issledovaniye spetsial'nykh semeystv unitarnykh matrits)

PERIODICAL: Tr. Uzbekskogo un-ta, 1956, Nr 65, pp 113-129

ABSTRACT: In an article by the reviewer (Izv. AN SSSR, ser.
matem., 1946, Nr 10, pp 3-34) it was proven that an in-
finite matrix C_ω with elements

$$c_{ik} = [\omega(k)/\sqrt{\sigma(c)}] \sum_{d|k,i} \mu(i/d)/|\omega(d)|^{-2},$$

where $\sigma = \sum_{n=1}^{\infty} |\omega(n)|^2$, $\sigma(c) = \sum_{d|c} \mu(n/d)/|\omega(d)|^{-2}$

is any function which satisfies the conditions $\omega(a\sigma) = \omega(a)\omega(\sigma)$, $\sum_{n=1}^{\infty} |\omega(n)|^2 < \infty$,

is unitary. In the present article a study is made of

Card 1/2

SOV/44-58-4-2710

A Study of Special Families (Cont.)

unitary matrices of the form $C_{\omega} C_{\omega}^{-1} (C_{\omega_1} C_{\omega_1}^{-1})^{-1}$ and their common element is transformed to the simpler form, whereupon use is made of the generalized Euler identity. At the end of the article it is pointed out that a future study of the matrices analyzed must lead to a generalization of the process of orthogonalization of the functional sequences given in the above-mentioned work of the reviewer.

N.P. Romanov

Card 2/2

KASARA, I.Ya.

Applications of linear operators to the theory of numbers. Izv. AN
Uz. SSR. Ser. fiz.-mat. nauk no. 2:33-40 '61. (MIRA 14:5)

1. Institut matematiki imeni V.I. Romanovskogo AN UzSSR.
(Operators (Mathematics)) (Numbers, Theory of)

KARAVANOV, A.Y.; KASARDA, V.V.

Refractometric modifications in blood plasma during sleep therapy; preliminary report. Medich.zhur.24 no.1:24-27 '54.

1. Vinnits'kiy medichniy institut, klinika zagal'noi khirurgii.

(BLOOD,
refractometric changes in sleep ther.)
(SLEEP, effects,
on blood refractometric changes)

KASAREVA, M.P., dotsent

Effect of the cerebral cortex on the regulation of skeletal muscle tonus in man; development of tonic conditioned reflexes in athletes engaged in strenuous sports and their characteristics. Teor.i prak. fizkul'. 18 no.5:368-376 '55. (MLRA 8:7)

1. Belorusskiy gosudarstvennyy ordena Trudovogo Krasnogo Znameni institut fizicheskoy Kul'tury.

(REFLEX, CONDITIONED,

musc. tonic reflexes in athletes, prod.)

(MUSCLES, physiology,

tonic conditioned reflexes in athletes, prod.)

(ATHLETICS, physiology,

musc. tonic conditioned reflexes, prod.)

KASAS, L. S.

(3)

Vitamin C in the plant and fruit of melon during the period of vegetation. A. P. Dzanski, S. Stanimirovic, and L. S. Kasas. *Acta Pharm. Jugosl.*, 3, 70-3(1953)(French summary).—Vitamin C is formed along with the formation of the plant. During the vegetation period the leaves have the largest and the root the smallest content of vitamin C. The seeds contain the largest amt. of vitamin C during the physiol. maturity of the melon. The parts of the plant which are the most active in the development and growth of the plant contain the largest amt. of vitamin C. V. Mihajlov

KASASH, L.

KASASH, L., DAMANSKI, A., TOPALOVIC-ABRAMOV, R.

Yugoslavia (430)

Science - Periodicals

Vitamin C in tomatoes during the vegetation period p. 15
Srpska akademija nauka. Institut za izucavanje ishrane
noroda. ABORNIK RADOVA. Beograd. [Transactions of the
Institute for Research on People's Nutrition of the
Serbian Academy of Sciences]. Vol 19, no. 1, 1952

East European Accessions List, Library of Congress,
Vol 2, No. 6, June 1953, Unclassified.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8

KASATIKOV I., kand.tekhn.nauk

Gluing metals. Izobr. i rats. no.6:40-41 Je '61.

(MIRA 14:6)

(Adhesives)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8"

KASATIKOV, I. P.

KASATIKOV, I. P.: "Investigation of the precision and economics
of conductor drilling". Moscow, 1955. Min Higher Education USSR.
Moscow Aviation Technological Inst. (Dissertations for the Degree
of Candidate of Technical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

KASATIKOV, I. P.

25(1.6) PHASE I BOOK EXPLOITATION 307/592

Akademika Nauk SSSR. Institut mashinostroyeniya

Obnovlyayushchiy tekhnicheskii i tekhnicheskii voprosy mashinostroyeniia i tekhnicheskoi interchangability i mashinostroyeniia (Basic Problems of Accuracy, Interchangeability and Engineering Measurement in Machine Building)

Moscow, March 1958. 411 p. 4,500 copies printed.

Ed.: A. M. Gavrilov, Doctor of Technical Sciences, Professor; Prof. for Literature on Metal

Tech. Ed.; B. I. Model, Managing Ed., for Literature on Metal

Working and Tool Making (Metalics); V. D. Basel'yan, Engineer;

Forsar: This collection of articles is intended for engineering and scientific workers and for teachers and students of machine and instruments building trades.

Coverage: This collection of articles presents the works of a conference on basic problems of accuracy, interchangeability and engineering measurements, convened in March 1958 by the Machine Building Technology Commission of the USSR Academy of Sciences (Institute of Machine Construction of the USSR Academy of Sciences), the State Committee for Modern Technology, the Committee for Standard Weights and Measuring Instruments under the Council of Ministers of the USSR, the Ministries for Machine Building and the Ministry of Higher Education of the USSR. In the articles dealing with the accuracy of combination problems of the theory and practice of calculating accuracy or standard processes and standard prototypes are discussed. In the articles on interchangeability and measuring measurements an evaluation of the present state of this field is presented along with theoretical, solvability and engineering outlook for the future. Theoretical and practical problems of automatic inspection are discussed. No personalities are mentioned. There are 10 references of which 121 are Russian, 10 German, 8 English, 1 French.

TABLE OF CONTENTS:

307/592

Basic Problems of Accuracy (Cont.)

- ✓ Grobova, A. M., Candidate of Technical Sciences. Accuracy in Oracle in Making Machine Parts Out of Sheets and Shapes in Small Lot Production 164
- ✓ Tsvetkov, N. I., Doctor of Technical Sciences, Professor. Present State and Anticipated Problems in the Field of Accuracy and Interchangeability in Gearing 182
- ✓ Protoporoshchik, A. Ye., Engineer. Accuracy of Manufacturing Processing on Automated Lines 197
- ✓ Kasatikov, I. P., Candidate of Technical Sciences. Tolerances for Parting Fixtures and Wear of Component Parts 214
- ✓ Dush, A. M., Doctor. Application of Mathematical Statistics in Machine Building 229
- ✓ Takukhov, A. I., Doctor of Technical Sciences, Professor. Present State and Basic Problems of Interchangeability and Engineering Measurement in Machine and Instrument Building 246

Card 5/8

KASHATIKOV, I.I.

25(1) P.5

PHASE I BOOK EXPLOITATION

SOV/1932

Moscow. Aviatsionnyy tekhnologicheskiy institut

Issledovaniya v oblasti tekhnologii aviadvigateley; [sbornik] (Studies in the Field of Technology of Aircraft Engines; Collection of Articles) Moscow, Oborongiz, 1959. 100 p. (Series: Its: Trudy, vyp. 36) 2,100 copies printed.

Ed. (Title page): A.S. Ivanov, Professor; Ed. (Inside book): S.I. Bumshteyn, Engineer; Ed. of Publishing House: N.A. Gortsuyeva; Tech. Ed.: V.I. Oreshkina; Managing Ed.: A.S. Zaymovskaya, Engineer.

PURPOSE: This book is intended for engineering and technical workers, scientific research institutes, for teachers, aspirants, and students of higher educational institutions specializing in the technology of machine building.

COVERAGE: This is a collection of articles generalizing the results of the research work done by the Department of Aircraft Engine

Card 1/6

Studies in the Field of Technology (Cont.)

SOV/1932

Technology of MATI (Moscow Aviation Technological Institute). The articles deal with various branches of technology and economics of the aviation industry. Some of the articles may be of interest to workers outside the aviation industry. The collection describes results of investigations of the following problems: use of centralizing devices in the machining parts on lathes, analysis and design of cutting tools using ultrasonic vibrations, improvement of the quality of dynamic balancing high-velocity rotors, gluing metals, determination of the work required to produce attachments, and the engineering utility of constructions.

TABLE OF CONTENTS:

Foreword	3
Bolotin, Kh.L., Candidate of Technical Sciences, Docent. Investigation of a New Kind of Workholders for High-speed Machining	5
This article describes investigations of the use of centrifugal force for holding parts during machining operations. Experimental	
Card 2/6	

Studies in the Field of Technology (Cont.)

SOV/1932

and theoretical investigations were carried out at Moskovskiy tormoznoy zavod (Moscow Brake Plant) and MATI (Moscow Aviation Technology Institute). Mention is made of an instrument with a warm gear drive designed and manufactured by TIZPribor (Heat-measuring Instrument Plant in Moscow). A dynamometer produced by TsNIITMASH (Central Scientific Research Institute of Heavy Machinery and Metalworking) is also mentioned. There are no references.

Metelkin, V.V., and I.V. Metelkin. Design and Calculation of an Ultrasonic Machine Tool

21

This article describes the shape of the tool, its holding devices, and tool wear. Tools for ultrasonic machining may be made of structural steel 05, 20, 30, 40, 45; of high carbon steels U7, U8, U10; of the alloy D 16T; or of brass or Monel metal. There are 3 references: 1 Soviet, 1 English, and 1 French.

Chistyakov, A.A., Candidate of Technical Sciences. On methods of Determining Allowances in Balancing Rotors of Turbojet Engines

34

Practical recommendations for reducing vibrations of high r.p.m.

Card 3/6

Studies in the Field of Technology (Cont.)

SOV/1932

rotors are given. The investigation was carried on at MATI. First attempts to solve this problem for rotor ventilators "Sirokko" were made by B.V. Shitikov. V.A. Samdylov studied the problem of vibrations of turbine units of electric power stations and rotors. A.P. Dinerman investigated static and dynamic balancing of steam turbine rotors. N.V. Klesnik studied static and dynamic balancing of machine parts. To determine the allowable unbalance of rotors the theory of Gerts-Belyayev and the works of G.A. Ignat'yev are recommended. The following instruments are referred to: transmitters EDS, 2UG1-48, MV-21, MG-21; regenerator of sonic frequency ZG-2A; Ferromagnetic electrotachometer type FT-49; electrotachometer type TE-20; oscillograph MPO-2. There are 10 references, all Soviet.

Chistvakov, A. A., Candidate of Technical Sciences. Method of Checking Bearings of Rotors of Turbojet Engines for Admissible Vibrations 54
Recommendations are given for increasing the time limits of rotor-bearing service in turbojet engines. The theoretical investigations were made at MATI. The following equipment is mentioned: Gishol't, Shenk, and Lozengauzen balancing machines; oscillograph MPO-2. Anti-friction brass BrOS10-10 is also referred to. There are no references.

Card 4/6

Studies in the Field of Technology (Cont.)

SOV/1932

Kasatikov, T.P., Candidate of Technical Sciences, and G.V. Filatov,
Engineer. Using Epoxide Glue in the Construction of Tooling
Equipment

63

The article describes the advantages of epoxide gluing over
other means of joining, such as riveting, bolting, welding, and
gluing with other glues. The following products are mentioned:
glues BF, PU-2, PU-3; firm coating NIAT-1; tars ED-3, ED-6, E40.
There are no references.

Kasatikov, I.P., Candidate of Technical Sciences. Preliminary
Evaluation of Work Requirements in the Production of Machine
Tool Attachments

68

The author presents several methods for preliminary determina-
tion of requirements for machine tool preparation. The methods
are as follows: (1) total number of codes, (2) volume of design
work, (3) standard items, (4) qualitative and quantitative char-
acteristics of typical parts, and (5) design factors (coefficients).

Gevorkyan, A.M., Candidate of Technical Sciences. Increasing Work
Output and Decreasing Production Costs in Mass Production Plants 83
Card 5/6

Studies in the Field of Technology (Cont.)

SOV/1932

The article analyzes basic conditions for increasing productivity and reducing costs in mechanical assembly shops of plants as related to modern technology. It is stated that the works of Professors E.A. Satel', B.S. Balakshin, N.A. Brodachev, and M.G. Aref'yev laid the foundations for a systematic study of engineering utility of design. Professor B.L. Boguslavskiy gives a classification of machine tools according to their degree of automation. Professor S.I. Artobolevskiy classifies machine tools according to productivity. There are no references.

AVAILABLE: Library of Congress

Card 6/6

TS/jb
6/30/59

KASATKEVICH, S. S. and MOROZOV, M. A.

Central Inst. of Epidemiology and Microbiology, (-1944-)

"The Staining by Silvering after Morozov of Bacteria Flagellae,"

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 6, 1944.

KASATKEVICH, S. S.

Central Inst. Epidemiology and Microbiology, (-1944-)

"To the methods of titration of microbial suspensions on the dry preparations,"

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 10-11, 1944

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8

ROSTOVTSEV, M.Ya.; KASATKIN, A.A.

Improved switching mechanism of the drive clutch on BK-37 and
BK-40 carding machines. Obm.tekh.opyt. [MLP] no.16:8-10 '56.
(Carding machines) (MIRA 11:11)
(Clutches (Machinery))

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8"

REPRINTED, 1978.
SHNEE, Ya.I., dekтор tekhn.nauk; KASATKIN, A.A., inzh..

Steam-gas scheme for operation with natural gas. Teploenergetika
(MIRA 10:10)
4 no.11:74-77 N '57.

1.Xhar'kovskoy politekhnicheskiy institut.
(Electric power plants)

SHNEE, Ya.I., doktor tekhn.nauk; prof.: KASATKIN, A.A., inzh.

Analysis of systems for utilizing the potential energy of
natural gas. Energomashinostroenie 4 no.5:22-24 My '58.
(MIRA 11:9)
(Gas, Natural) (Electric power plants--Equipment and supplies)

DEREVYANCHENKO, V.T.; KASATKIN, A.A.

Universal electronic tachometer equipped with transistors. Izv.vy
ucheb.zav.; prib. 3 no.2:17-22 '60. (MIRA 14:4)

1. Khar'kovskiy politekhnicheskiy institut imeni V.I.Lenina.
Rekomendovana kafedroy dinamicheskoy prochnosti detaley mashin.
(Tachometer)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8

KASATKIN, A.P. (g.Frunze)

School excursion to a feed steaming plant. Miz. v shkole 15 no.6:
66-69 M-D '55. (MLRA 9:2)

1.10-ya srednyaya shkola.
(Technical education)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8"

KASATKIN, A.F.

3542. KASATKIN, A.F. Redis i Salat. Minsk, Gosizdat BSSR, Red. s-kh.
Lit., 1954. 67s S ill. 14sm. 15,000ekz. 50k--Na obl. avt. Ne Ukazany--
Na Belorus. Yaz--(54-57119) 635.15 + 635.5

SO: Knizhnaya Letopis', Vol. 3, 1955

KASATKIN, A. F.

Cand Agr Sci - (diss) "Procedures for raising seedlings of tomato plant under conditions of the Belorussian SSR." Leningrad, 1961. 24 pp; (Ministry of Agriculture RSFSR, Leningrad Agr Inst); 250 copies; price not given; list of author's works on pp 22-23 (37 entries); (KL, 7-61 sup, 251)

KUZNETSOV, Yu.P.; KASATKIN, A.G.; LEKHTE, V.M.; YELKIN, L.N.; VILESOV,
N.G.

Thermodynamics of the high-temperature conversion of methane by
sulfur. Trudy MKhFI no.47:80-85 '64. (MIRA 18:9)

FILESOV, N.G.; KASATKIN, A.G.; LEKAYE, V.M.; KURNETZOV, Yu.P.

Mechanism of the formation of carbon disulfide during the incomplete reduction of sulfurous anhydride by methane. Trudy MKHTI no.47:86-89 '64.
(MTRA 18:9)

RASATKIN, A.G.; DYTNIERSKII, Yu.I.; CHEN' BIN-CHZHEN' [Ch'en Fing-chen]

Equation of the motion of a two-phase flow. Trudy MFTI
no.10:18-52 '63.

Application of the regularities in the kinetics of absorption
to the rectification process. Ibid. 91-95
(MIRA 18:12)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8

KASATKIN, A.G.; RODIONOV, A.I.; KASHNIKOV, A.M.

Hydrodynamic testing of plates with two kinds of perforation.
Trudy MKHTI no.40:70-73 '63.

(MIRA 18:12)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8

KASATKIN, A.G.; KAGAN, S.Z.; TRUKHANOV, V.G.

Kinetics characteristics of rotor-and-disk extractors. Trudy
MKHTI no.40:134-141 '63.
(MIRA 18:12)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8

KATKIN, A.G.; SERPIONOVA, Ye.N.; SABIROV, Sh.B.

Determining the rate of adsorption for the first zone of the
Langmuir adsorption Isotherm. Trudy KHTI no.40(1), p.150-153.
(MSA 2612)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8

KASATKIN, A.G.; DYTNERSKIY, Yu.I.; ZARUTSKIY, V.V.; PETROV, G.G.;
GORYACHEVA, R.V.

Separation of liquid homogeneous systems by means of polymeric
films. Trudy MKHTI no.40:156-160 '63.

(MIRA 18:12)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8

RASATKIN, A.G.; LAKAYE, V.M.; YELKIN, L.N.

Worm type multiroller heat exchanger (reactor). Tracty KETI
no. 40:167-175 '63. (N.R.S. 18:12)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8"

KASATKIN, A. G.

USSR/Engineering - Machine tools

Card : 1/1

Authors : Kasatkin, A. G.

Title : A new heavier universal gear-milling lathe, model 1813

Periodical : Stan. i Instr. Ed. 7, 39 - 40, July 1954

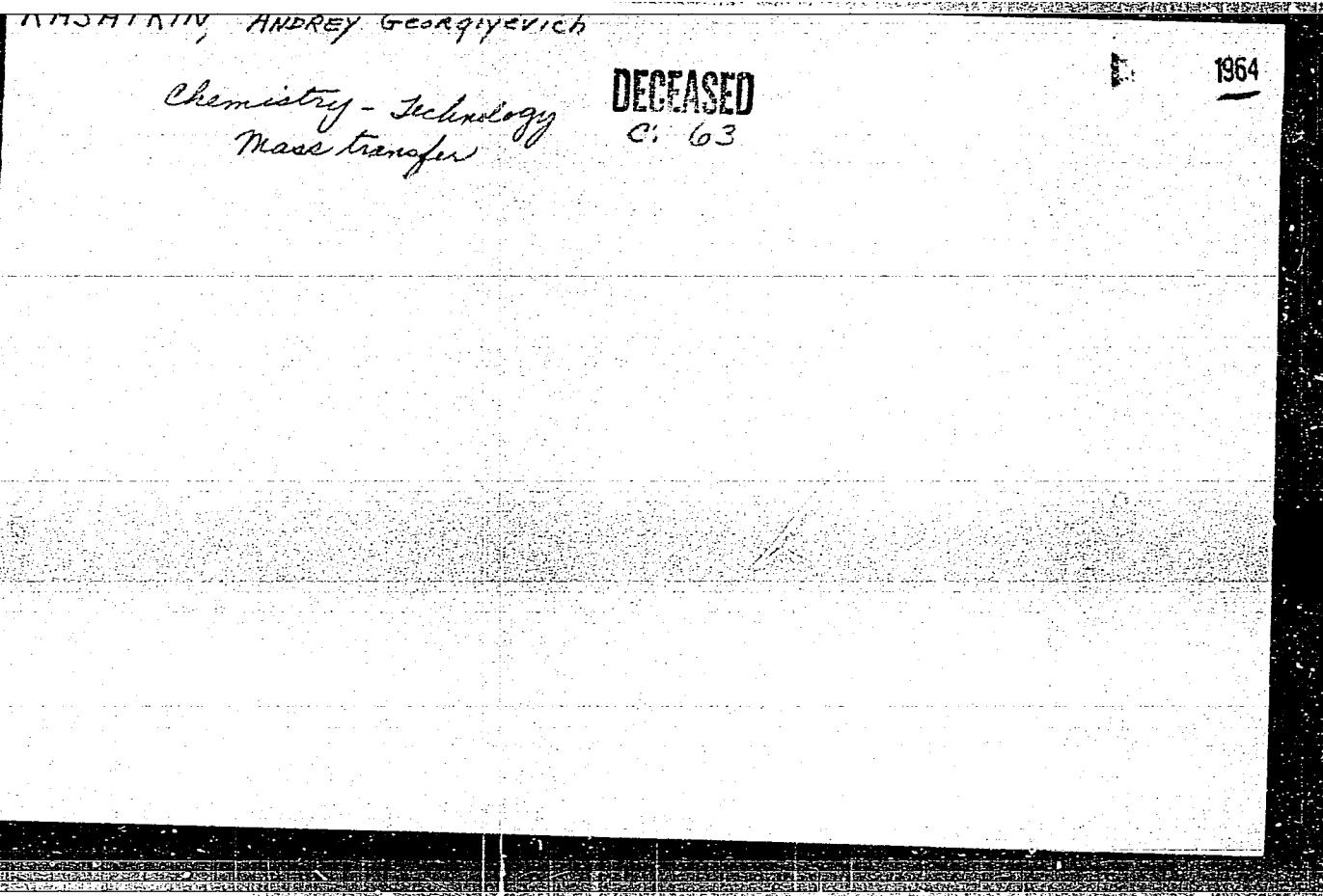
Abstract : The "Red Proletariat" factory designed and produced a heavy-type universal gear-milling lathe, model 1813. This lathe, permits milling of gears up to 42 mm modules. General description is given on the operation and structure of the above lathe. Illustration; table.

Institution :

Submitted :

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8



APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010002-8"

KASATKIN, A.G.; DYTNERSKIY, Yu.I.; PITERSKIKH, D.G.; MAUNG KHLA M'INT

Design of columns with tubular grid plates. Khim. prom.
no.4:279-286 Ap '63. (MIRA 16:8)

1. Moskovskiy Ordena Lenina khimiko-tehnologicheskiy institut
im. Mendeleyeva.

ZHINKIN, G.N., dots., kand. tekhn. nauk; PERETRUKHIN, N.A., st. nauchnyy
sotr., kand. tekhn. nauk; KARASEV, Ya.M., dots., retsenzent;
KASATKIN, A.I., inzh., retsenzent; KARPOV, K.N., dots., retsenzent;
YERMAKOV, K.A., red.

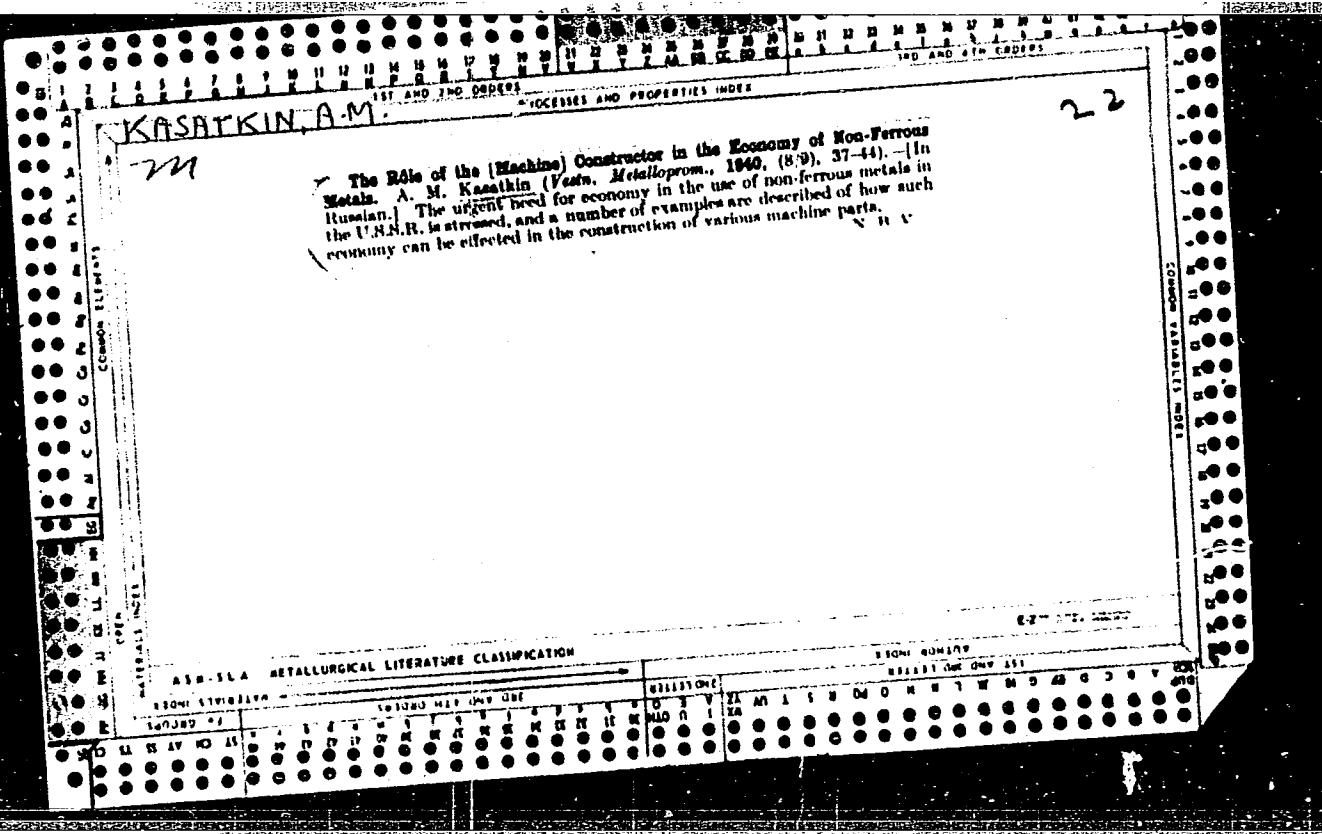
[Roadbed construction in permafrost regions] Sooruzhenie zemlianogo
polotna zheleznykh dorog v raionakh vechnoi merzloty; uchebnoe p'-
sobie po kursu "Stroitel'stvo zheleznykh dorog" dlja studentov
dnevnogo, vechernego i zaocnogo obucheniia. Leningrad, Leningr.
in-t inzhenerov zhel-dor. transporta im. V.N.Obraztsova, 1961. 61 p.
(MIRA 16:3)

(Railroad engineering—Cold weather conditions)
(Frozen ground)

KASATKIN, A.I.

Pour limiter. Mash. i neft. obor. no.7:13-14 '63. (MIRA 17:1)

1. Proizvodstvenno-tovarnaya kontora, g. Groznyy.



KASATKIN, A.M.

USSR/ Engineering - Locomotive boilers

Card 1/1 Pub. 128 - 5/25

Authors : Kasatkin, A. M.

Title : New methods of constructing furnace frames for locomotive boilers

Periodical : Vest. mash. 1, 32-35, Jan 1955

Abstract : A description is presented of methods adopted by the Muromski Locomotive Plant, in constructing furnace frames for the 9P locomotives by means of hot stamping and welding. Three USSR references (1949-1953). Illustration; drawings; table; diagrams.

Institution :

Submitted :

KASATKIN, A.M.

KASATKIN, A.M., inzh.

Conference in Washington. Tekh. mol. 25 no.11:15 N '57. (MLRA 10:11)
(Washington --Rockets in meteorology--Congresses)

KASATKIN, A.A.

ALEKSEYEV, P.P.; BESYADOVSKIY, Ye.A.; GOLYSHEV, G.I.; IZAKOV, M.N.; KASATKIN,
A.M.; KOKIN, G.A.; LIVSHCHITS, N.S.; MASANOVA, N.D.; SHVIDKOVSKIY,
Ye.G.

Rocket exploration of the atmosphere. Meteor. i gidrol. no.8:3-13
(MIRA 10:8)
Ag '57.
(Atmosphere, Upper) (Rockets in meteorology)

KASATKIN, A. M.

At the gates of cosmos. Tekhn.mol. 25 no.8:19-21 Ag '57. (MIRA 10:9)
(International Geophysical Year, 1957-1958) (Space stations)
(Atmosphere, Upper)

44832
S/560/62/000/014/003/011
A001/A101

3,5800

AUTHORS: Aver'yanov, I. P., Kasatkin, A. M., Liventsov, A. V., Markov, M. N., Merson, Ya. I., Shamilev, M. R., Shervinskiy, V. Ye.

TITLE: The measurement of Earth's thermal radiation into space during the total eclipse of February 15, 1961, from an altitude geophysical automatic station

SOURCE: Akademiya nauk SSSR. Iskusstvennyye sputniki Zemli. no. 14, 1962,
49 - 56

TEXT: To improve calculational methods of determining radiation of the atmosphere at high altitudes, the study of optical properties of its upper layers, using the measurements of its thermal radiation, is necessary. These studies have been conducted in the USSR since 1958 by means of altitude geophysical rockets. The article describes one of these experiments performed during the total solar eclipse of February 15, 1961, in the middle part of the European part of the USSR. The general scheme of the experiment is shown in Figure 1 and the block-diagram of the device mounted on an altitude geophysical automatic. X

Card 1/4